

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	1	"20020184644"	US-PGPUB; USPAT	OR	ON	2007/01/05 18:20
L2	1	1 and parameters	US-PGPUB; USPAT	OR	ON	2007/01/05 19:10
S1	12	LUND-ROBERT-M or JOHNSON-MILTON-J or KAYS-JEFFREY-T	USPAT	OR	OFF	2007/01/05 18:20
S2	50	("5808767" "5864415" "5880864" "6038226" "5499244" "5504606" "5559624" "5572349" "5606555" "5710648" "5808764" "5875274" "5896213" "6118565" "6144472" "6151144" "6288806" "5335104" "6031300" "6198558" "5838731" "6421150" "5189671" "5301050" "5594576" "5699176" "5440416" "6243373" "6314284" "5717749" "6363411" "6393481" "4558464" "4987486" "4415779" "5535267" "6282285" "5293376" "5987316" "5408525" "5608565" "5283678" "5523870" "5680234" "5694234" "5760940" "5790293" "5872644" "5907417" "5912749").pn.	USPAT	OR	OFF	2003/01/09 11:22
S3	0	((("5808767" "5864415" "5880864" "6038226" "5499244" "5504606" "5559624" "5572349" "5606555" "5710648" "5808764" "5875274" "5896213" "6118565" "6144472" "6151144" "6288806" "5335104" "6031300" "6198558" "5838731" "6421150" "5189671" "5301050" "5594576" "5699176" "5440416" "6243373" "6314284" "5717749" "6363411" "6393481" "4558464" "4987486" "4415779" "5535267" "6282285" "5293376" "5987316" "5408525" "5608565" "5283678" "5523870" "5680234" "5694234" "5760940" "5790293" "5872644" "5907417" "5912749").pn. ) and (universal adj2 demarcation)	USPAT	OR	OFF	2003/01/09 10:07

## EAST Search History

S4	0	(( "5808767" "5864415" "5880864" "6038226" "5499244" "5504606" "5559624" "5572349" "5606555" "5710648" "5808764" "5875274" "5896213" "6118565" "6144472" "6151144" "6288806" "5335104" "6031300" "6198558" "5838731" "6421150" "5189671" "5301050" "5594576" "5699176" "5440416" "6243373" "6314284" "5717749" "6363411" "6393481" "4558464" "4987486" "4415779" "5535267" "6282285" "5293376" "5987316" "5408525" "5608565" "5283678" "5523870" "5680234" "5694234" "5760940" "5790293" "5872644" "5907417" "5912749").pn. ) and (demarcation adj2 point\$1)	USPAT	OR	OFF	2003/01/09 10:07
S5	32	(( "5808767" "5864415" "5880864" "6038226" "5499244" "5504606" "5559624" "5572349" "5606555" "5710648" "5808764" "5875274" "5896213" "6118565" "6144472" "6151144" "6288806" "5335104" "6031300" "6198558" "5838731" "6421150" "5189671" "5301050" "5594576" "5699176" "5440416" "6243373" "6314284" "5717749" "6363411" "6393481" "4558464" "4987486" "4415779" "5535267" "6282285" "5293376" "5987316" "5408525" "5608565" "5283678" "5523870" "5680234" "5694234" "5760940" "5790293" "5872644" "5907417" "5912749").pn. ) and (passive)	USPAT	OR	OFF	2003/01/09 10:08
S6	30	(( "5808767" "5864415" "5880864" "6038226" "5499244" "5504606" "5559624" "5572349" "5606555" "5710648" "5808764" "5875274" "5896213" "6118565" "6144472" "6151144" "6288806" "5335104" "6031300" "6198558" "5838731" "6421150" "5189671" "5301050" "5594576" "5699176" "5440416" "6243373" "6314284" "5717749" "6363411" "6393481" "4558464" "4987486" "4415779" "5535267" "6282285" "5293376" "5987316" "5408525" "5608565" "5283678" "5523870" "5680234" "5694234" "5760940" "5790293" "5872644" "5907417" "5912749").pn. ) and (passive adj2 optical)	USPAT	OR	OFF	2003/01/09 10:08

## EAST Search History

S7	26	(( "5808767" "5864415" "5880864" "6038226" "5499244" "5504606" "5559624" "5572349" "5606555" "5710648" "5808764" "5875274" "5896213" "6118565" "6144472" "6151144" "6288806" "5335104" "6031300" "6198558" "5838731" "6421150" "5189671" "5301050" "5594576" "5699176" "5440416" "6243373" "6314284" "5717749" "6363411" "6393481" "4558464" "4987486" "4415779" "5535267" "6282285" "5293376" "5987316" "5408525" "5608565" "5283678" "5523870" "5680234" "5694234" "5760940" "5790293" "5872644" "5907417" "5912749").pn. ) and (passive adj2 optical adj2 network\$1)	USPAT	OR	OFF	2003/01/09 10:08
S8	0	(( "5808767" "5864415" "5880864" "6038226" "5499244" "5504606" "5559624" "5572349" "5606555" "5710648" "5808764" "5875274" "5896213" "6118565" "6144472" "6151144" "6288806" "5335104" "6031300" "6198558" "5838731" "6421150" "5189671" "5301050" "5594576" "5699176" "5440416" "6243373" "6314284" "5717749" "6363411" "6393481" "4558464" "4987486" "4415779" "5535267" "6282285" "5293376" "5987316" "5408525" "5608565" "5283678" "5523870" "5680234" "5694234" "5760940" "5790293" "5872644" "5907417" "5912749").pn. ) and (cite adj2 code\$1)	USPAT	OR	OFF	2003/01/09 10:15
S9	28	(( "5808767" "5864415" "5880864" "6038226" "5499244" "5504606" "5559624" "5572349" "5606555" "5710648" "5808764" "5875274" "5896213" "6118565" "6144472" "6151144" "6288806" "5335104" "6031300" "6198558" "5838731" "6421150" "5189671" "5301050" "5594576" "5699176" "5440416" "6243373" "6314284" "5717749" "6363411" "6393481" "4558464" "4987486" "4415779" "5535267" "6282285" "5293376" "5987316" "5408525" "5608565" "5283678" "5523870" "5680234" "5694234" "5760940" "5790293" "5872644" "5907417" "5912749").pn. ) and (code\$1)	USPAT	OR	OFF	2003/01/09 10:15

## EAST Search History

S10	27	(( "5808767" "5864415" "5880864" "6038226" "5499244" "5504606" "5559624" "5572349" "5606555" "5710648" "5808764" "5875274" "5896213" "6118565" "6144472" "6151144" "6288806" "5335104" "6031300" "6198558" "5838731" "6421150" "5189671" "5301050" "5594576" "5699176" "5440416" "6243373" "6314284" "5717749" "6363411" "6393481" "4558464" "4987486" "4415779" "5535267" "6282285" "5293376" "5987316" "5408525" "5608565" "5283678" "5523870" "5680234" "5694234" "5760940" "5790293" "5872644" "5907417" "5912749").pn. ) and (code or codes)	USPAT	OR	OFF	2003/01/09 10:20
S11	14	((("5808767" "5864415" "5880864" "6038226" "5499244" "5504606" "5559624" "5572349" "5606555" "5710648" "5808764" "5875274" "5896213" "6118565" "6144472" "6151144" "6288806" "5335104" "6031300" "6198558" "5838731" "6421150" "5189671" "5301050" "5594576" "5699176" "5440416" "6243373" "6314284" "5717749" "6363411" "6393481" "4558464" "4987486" "4415779" "5535267" "6282285" "5293376" "5987316" "5408525" "5608565" "5283678" "5523870" "5680234" "5694234" "5760940" "5790293" "5872644" "5907417" "5912749").pn. ) and (passive adj2 optical)) and (code or codes)	USPAT	OR	OFF	2003/01/09 10:24

## EAST Search History

S12	5	(("5808767" "5864415" "5880864" "6038226" "5499244" "5504606" "5559624" "5572349" "5606555" "5710648" "5808764" "5875274" "5896213" "6118565" "6144472" "6151144" "6288806" "5335104" "6031300" "6198558" "5838731" "6421150" "5189671" "5301050" "5594576" "5699176" "5440416" "6243373" "6314284" "5717749" "6363411" "6393481" "4558464" "4987486" "4415779" "5535267" "6282285" "5293376" "5987316" "5408525" "5608565" "5283678" "5523870" "5680234" "5694234" "5760940" "5790293" "5872644" "5907417" "5912749").pn. ) and (identity)	USPAT	OR	OFF	2003/01/09 10:26
S13	6	(("5808767" "5864415" "5880864" "6038226" "5499244" "5504606" "5559624" "5572349" "5606555" "5710648" "5808764" "5875274" "5896213" "6118565" "6144472" "6151144" "6288806" "5335104" "6031300" "6198558" "5838731" "6421150" "5189671" "5301050" "5594576" "5699176" "5440416" "6243373" "6314284" "5717749" "6363411" "6393481" "4558464" "4987486" "4415779" "5535267" "6282285" "5293376" "5987316" "5408525" "5608565" "5283678" "5523870" "5680234" "5694234" "5760940" "5790293" "5872644" "5907417" "5912749").pn. ) and (optical adj3 terminat\$3)	USPAT	OR	OFF	2003/01/09 10:48
S14	0	"6288806".URPN.	USPAT	OR	OFF	2003/01/09 10:30
S15	8	("5500753"   "5523868"   "5731887"   "5880865"   "6055694"   "6061328"   "6094442"   "6108113").PN.	USPAT	OR	OFF	2003/01/09 10:30
S16	9	"5500753".URPN.	USPAT	OR	OFF	2003/01/09 10:41

## EAST Search History

S17	37	(("5808767" "5864415" "5880864" "6038226" "5499244" "5504606" "5559624" "5572349" "5606555" "5710648" "5808764" "5875274" "5896213" "6118565" "6144472" "6151144" "6288806" "5335104" "6031300" "6198558" "5838731" "6421150" "5189671" "5301050" "5594576" "5699176" "5440416" "6243373" "6314284" "5717749" "6363411" "6393481" "4558464" "4987486" "4415779" "5535267" "6282285" "5293376" "5987316" "5408525" "5608565" "5283678" "5523870" "5680234" "5694234" "5760940" "5790293" "5872644" "5907417" "5912749").pn. ) and onu\$1	USPAT	OR	OFF	2003/01/09 10:49
S18	2	((("5808767" "5864415" "5880864" "6038226" "5499244" "5504606" "5559624" "5572349" "5606555" "5710648" "5808764" "5875274" "5896213" "6118565" "6144472" "6151144" "6288806" "5335104" "6031300" "6198558" "5838731" "6421150" "5189671" "5301050" "5594576" "5699176" "5440416" "6243373" "6314284" "5717749" "6363411" "6393481" "4558464" "4987486" "4415779" "5535267" "6282285" "5293376" "5987316" "5408525" "5608565" "5283678" "5523870" "5680234" "5694234" "5760940" "5790293" "5872644" "5907417" "5912749").pn. ) and onu\$1) and (butt)	USPAT	OR	OFF	2003/01/09 10:55
S19	3	"5283678".URPN.	USPAT	OR	OFF	2003/01/09 10:53

## EAST Search History

S20	32	((("5808767" "5864415" "5880864" "6038226" "5499244" "5504606" "5559624" "5572349" "5606555" "5710648" "5808764" "5875274" "5896213" "6118565" "6144472" "6151144" "6288806" "5335104" "6031300" "6198558" "5838731" "6421150" "5189671" "5301050" "5594576" "5699176" "5440416" "6243373" "6314284" "5717749" "6363411" "6393481" "4558464" "4987486" "4415779" "5535267" "6282285" "5293376" "5987316" "5408525" "5608565" "5283678" "5523870" "5680234" "5694234" "5760940" "5790293" "5872644" "5907417" "5912749").pn. ) and location	USPAT	OR	OFF	2003/01/09 10:55
S21	20	((("5808767" "5864415" "5880864" "6038226" "5499244" "5504606" "5559624" "5572349" "5606555" "5710648" "5808764" "5875274" "5896213" "6118565" "6144472" "6151144" "6288806" "5335104" "6031300" "6198558" "5838731" "6421150" "5189671" "5301050" "5594576" "5699176" "5440416" "6243373" "6314284" "5717749" "6363411" "6393481" "4558464" "4987486" "4415779" "5535267" "6282285" "5293376" "5987316" "5408525" "5608565" "5283678" "5523870" "5680234" "5694234" "5760940" "5790293" "5872644" "5907417" "5912749").pn. ) and onu\$1) and location	USPAT	OR	OFF	2003/01/09 10:56
S22	16	((("5808767" "5864415" "5880864" "6038226" "5499244" "5504606" "5559624" "5572349" "5606555" "5710648" "5808764" "5875274" "5896213" "6118565" "6144472" "6151144" "6288806" "5335104" "6031300" "6198558" "5838731" "6421150" "5189671" "5301050" "5594576" "5699176" "5440416" "6243373" "6314284" "5717749" "6363411" "6393481" "4558464" "4987486" "4415779" "5535267" "6282285" "5293376" "5987316" "5408525" "5608565" "5283678" "5523870" "5680234" "5694234" "5760940" "5790293" "5872644" "5907417" "5912749").pn. ) and onu\$1) and test\$3	USPAT	OR	OFF	2003/01/09 10:58

## EAST Search History

S23	6	((("5808767" "5864415" "5880864" "6038226" "5499244" "5504606" "5559624" "5572349" "5606555" "5710648" "5808764" "5875274" "5896213" "6118565" "6144472" "6151144" "6288806" "5335104" "6031300" "6198558" "5838731" "6421150" "5189671" "5301050" "5594576" "5699176" "5440416" "6243373" "6314284" "5717749" "6363411" "6393481" "4558464" "4987486" "4415779" "5535267" "6282285" "5293376" "5987316" "5408525" "5608565" "5283678" "5523870" "5680234" "5694234" "5760940" "5790293" "5872644" "5907417" "5912749").pn. ) and (dtmf or key or (touch adj tone) or keypad or (key adj pad))	USPAT	OR	OFF	2003/01/09 11:00
S24	13	((("5808767" "5864415" "5880864" "6038226" "5499244" "5504606" "5559624" "5572349" "5606555" "5710648" "5808764" "5875274" "5896213" "6118565" "6144472" "6151144" "6288806" "5335104" "6031300" "6198558" "5838731" "6421150" "5189671" "5301050" "5594576" "5699176" "5440416" "6243373" "6314284" "5717749" "6363411" "6393481" "4558464" "4987486" "4415779" "5535267" "6282285" "5293376" "5987316" "5408525" "5608565" "5283678" "5523870" "5680234" "5694234" "5760940" "5790293" "5872644" "5907417" "5912749").pn. ) and (dtmf or key or (touch adj tone) or keypad or (key adj pad))	USPAT	OR	OFF	2003/01/09 11:01

## EAST Search History

S25	37	((("5808767" "5864415" "5880864" "6038226" "5499244" "5504606" "5559624" "5572349" "5606555" "5710648" "5808764" "5875274" "5896213" "6118565" "6144472" "6151144" "6288806" "5335104" "6031300" "6198558" "5838731" "6421150" "5189671" "5301050" "5594576" "5699176" "5440416" "6243373" "6314284" "5717749" "6363411" "6393481" "4558464" "4987486" "4415779" "5535267" "6282285" "5293376" "5987316" "5408525" "5608565" "5283678" "5523870" "5680234" "5694234" "5760940" "5790293" "5872644" "5907417" "5912749").pn. ) and onu\$1	USPAT	OR	OFF	2003/01/09 11:01
S26	4	((("5808767" "5864415" "5880864" "6038226" "5499244" "5504606" "5559624" "5572349" "5606555" "5710648" "5808764" "5875274" "5896213" "6118565" "6144472" "6151144" "6288806" "5335104" "6031300" "6198558" "5838731" "6421150" "5189671" "5301050" "5594576" "5699176" "5440416" "6243373" "6314284" "5717749" "6363411" "6393481" "4558464" "4987486" "4415779" "5535267" "6282285" "5293376" "5987316" "5408525" "5608565" "5283678" "5523870" "5680234" "5694234" "5760940" "5790293" "5872644" "5907417" "5912749").pn. ) and onu\$1) and (dial adj2 tone\$1)	USPAT	OR	OFF	2003/01/09 11:04

## EAST Search History

S27	2	((("5808767" "5864415" "5880864" "6038226" "5499244" "5504606" "5559624" "5572349" "5606555" "5710648" "5808764" "5875274" "5896213" "6118565" "6144472" "6151144" "6288806" "5335104" "6031300" "6198558" "5838731" "6421150" "5189671" "5301050" "5594576" "5699176" "5440416" "6243373" "6314284" "5717749" "6363411" "6393481" "4558464" "4987486" "4415779" "5535267" "6282285" "5293376" "5987316" "5408525" "5608565" "5283678" "5523870" "5680234" "5694234" "5760940" "5790293" "5872644" "5907417" "5912749").pn. ) and onu\$1) and ((craft adj person\$1) or installer)	USPAT	OR	OFF	2003/01/09 11:05
S28	3	"5283678".URPN.	USPAT	OR	OFF	2003/01/09 11:07
S29	50	("5808767" "5864415" "5880864" "6038226" "5499244" "5504606" "5559624" "5572349" "5606555" "5710648" "5808764" "5875274" "5896213" "6118565" "6144472" "6151144" "6288806" "5335104" "6031300" "6198558" "5838731" "6421150" "5189671" "5301050" "5594576" "5699176" "5440416" "6243373" "6314284" "5717749" "6363411" "6393481" "4558464" "4987486" "4415779" "5535267" "6282285" "5293376" "5987316" "5408525" "5608565" "5283678" "5523870" "5680234" "5694234" "5760940" "5790293" "5872644" "5907417" "5912749").pn.	USPAT	OR	OFF	2003/01/09 11:22

## EAST Search History

S30	3	(( "5808767" "5864415" "5880864" "6038226" "5499244" "5504606" "5559624" "5572349" "5606555" "5710648" "5808764" "5875274" "5896213" "6118565" "6144472" "6151144" "6288806" "5335104" "6031300" "6198558" "5838731" "6421150" "5189671" "5301050" "5594576" "5699176" "5440416" "6243373" "6314284" "5717749" "6363411" "6393481" "4558464" "4987486" "4415779" "5535267" "6282285" "5293376" "5987316" "5408525" "5608565" "5283678" "5523870" "5680234" "5694234" "5760940" "5790293" "5872644" "5907417" "5912749").pn. ) and (demarcation)	USPAT	OR	OFF	2003/01/09 11:23
S31	5	(( "5808767" "5864415" "5880864" "6038226" "5499244" "5504606" "5559624" "5572349" "5606555" "5710648" "5808764" "5875274" "5896213" "6118565" "6144472" "6151144" "6288806" "5335104" "6031300" "6198558" "5838731" "6421150" "5189671" "5301050" "5594576" "5699176" "5440416" "6243373" "6314284" "5717749" "6363411" "6393481" "4558464" "4987486" "4415779" "5535267" "6282285" "5293376" "5987316" "5408525" "5608565" "5283678" "5523870" "5680234" "5694234" "5760940" "5790293" "5872644" "5907417" "5912749").pn. ) and (cpe)	USPAT	OR	OFF	2003/01/09 11:31
S32	11	"5535267".URPN.	USPAT	OR	OFF	2003/01/09 11:29

## EAST Search History

S33	12	(( "5808767" "5864415" "5880864" "6038226" "5499244" "5504606" "5559624" "5572349" "5606555" "5710648" "5808764" "5875274" "5896213" "6118565" "6144472" "6151144" "6288806" "5335104" "6031300" "6198558" "5838731" "6421150" "5189671" "5301050" "5594576" "5699176" "5440416" "6243373" "6314284" "5717749" "6363411" "6393481" "4558464" "4987486" "4415779" "5535267" "6282285" "5293376" "5987316" "5408525" "5608565" "5283678" "5523870" "5680234" "5694234" "5760940" "5790293" "5872644" "5907417" "5912749").pn. ) and "379"/\$.ccls.	USPAT	OR	OFF	2003/01/09 12:13
S34	6	"5606555".URPN.	USPAT	OR	OFF	2003/01/09 11:36
S35	2	"5978374".URPN.	USPAT	OR	OFF	2003/01/09 11:46
S36	33	"5301050".URPN.	USPAT	OR	OFF	2003/01/09 11:49
S37	12	"5966427".URPN.	USPAT	OR	OFF	2003/01/09 11:58
S38	15	("5265239"   "5301050"   "5446781"   "5495516"   "5502756"   "5530367"   "5629931"   "5636260"   "5659684"   "5774524"   "5774640"   "5784558"   "5805668"   "5825849"   "5898674"). PN.	USPAT	OR	OFF	2003/01/09 11:59
S39	11	("3800090"   "3899639"   "4002837"   "4394540"   "4815119"   "4995109"   "5063585"   "5363431"   "5521964"   "5528661"   "5535267").PN.	USPAT	OR	OFF	2003/01/09 12:03
S40	599	onu\$1	USPAT	OR	OFF	2003/01/09 12:13
S41	1	onu\$1 and ((butt adj2 set) or buttset)	USPAT	OR	OFF	2003/01/09 12:18
S42	38	onu\$1 and (dial adj2 tone)	USPAT	OR	OFF	2003/01/09 12:21
S43	307	onu\$1 and (subscriber)	USPAT	OR	OFF	2003/01/09 12:21
S44	27	onu\$1 and (subscriber adj2 location)	USPAT	OR	OFF	2005/10/05 12:18
S45	1	"6282266".URPN.	USPAT	OR	OFF	2003/01/09 12:25
S46	5	("H001801"   "H001860"   "H001964"   "6279125"   "6282266").PN.	USPAT	OR	OFF	2003/01/09 12:26
S47	4	onu\$1 and (craft adj2 person)	USPAT	OR	OFF	2003/01/09 12:28

## EAST Search History

S48	24	("4833592"   "4942540"   "5021968"   "5049873"   "5175800"   "5295244"   "5436890"   "5629978"   "5684947"   "5687315"   "5761429"   "5793974"   "5794006"   "5802530"   "5809286"   "5867689"   "5878411"   "5881059"   "5910803"   "5935209"   "5936622"   "5950204"   "5958012"   "6008814").PN.	USPAT	OR	OFF	2003/01/10 13:41
S49	5	("5226120"   "5361250"   "5491796"   "5579384"   "5729688").PN.	USPAT	OR	OFF	2003/01/10 13:44
S50	12	"5535267"	USPAT	OR	OFF	2003/01/10 15:20
S51	10	("4578536"   "4710919"   "4724435"   "4774721"   "5128988"   "5189694"   "5204896"   "5243644"   "5359641"   "5394461").PN.	USPAT	OR	OFF	2003/01/10 13:56
S52	5	"6282239".pn. or "6167443".pn. or "5818906".pn. or "6163594".pn. or "6314086".pn.	USPAT	OR	OFF	2003/01/10 15:21
S53	0	"200201844644"	US-PGPUB; USPAT	OR	ON	2004/12/02 16:48
S54	1	"20020184644"	US-PGPUB; USPAT	OR	ON	2004/12/02 16:49
S55	1	S54 and butt	US-PGPUB; USPAT	OR	ON	2004/12/02 16:51
S56	1	S54 and (location adj code)	US-PGPUB; USPAT	OR	ON	2004/12/02 16:51
S57	1	S54 and (repository)	US-PGPUB; USPAT	OR	ON	2004/12/02 16:51
S58	1	S54 and (manual)	US-PGPUB; USPAT	OR	ON	2004/12/02 16:52
S59	1	S54 and (manual same butt)	US-PGPUB; USPAT	OR	ON	2004/12/02 16:52
S60	0	("2002/0184644").URPN.	USPAT	OR	ON	2004/12/02 16:52
S61	0	S54 and (packet)	US-PGPUB; USPAT	OR	ON	2004/12/02 16:56
S62	1	S54 and (fiber)	US-PGPUB; USPAT	OR	ON	2004/12/02 16:57
S63	1	S54 and (physical)	US-PGPUB; USPAT	OR	ON	2004/12/02 16:57
S64	1	S54 and (physical adj2 port)	US-PGPUB; USPAT	OR	ON	2004/12/02 16:58
S65	0	S54 and (voice adj data)	US-PGPUB; USPAT	OR	ON	2004/12/02 16:57
S66	1	S54 and (voice)	US-PGPUB; USPAT	OR	ON	2004/12/02 16:58

## EAST Search History

S67	1	S54 and (video)	US-PGPUB; USPAT	OR	ON	2004/12/02 16:58
S68	1	S54 and (physical adj2 ports)	US-PGPUB; USPAT	OR	ON	2004/12/02 16:59
S69	1	S54 and (ports)	US-PGPUB; USPAT	OR	ON	2004/12/02 16:59
S70	1	S54 and (correlation)	US-PGPUB; USPAT	OR	ON	2004/12/02 17:01
S71	1	S54 and (ports)	US-PGPUB; USPAT	OR	ON	2004/12/02 17:04
S72	7	"6163594"	US-PGPUB; USPAT	OR	ON	2004/12/02 17:04
S73	0	("6763087").URPN.	USPAT	OR	ON	2004/12/02 17:12
S74	5	("5835580"   "6163594"   "6292468"   "6292539"   "6380971").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2004/12/02 17:15
S75	5	("5835580"   "6163594"   "6292468"   "6292539"   "6380971").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2004/12/02 17:15
S76	2	("6380971").URPN.	USPAT	OR	ON	2004/12/02 17:19
S77	14	("3972065"   "5353117"   "5446492"   "5808671"   "5940124"   "6141042"   "6246435"   "6271879"   "6297845"   "6366314"   "6370367"   "6380971"   "6441847"   "6577764").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2004/12/02 17:28
S78	1	"6763087"	US-PGPUB; USPAT	OR	ON	2004/12/02 17:31
S79	5	("5835580"   "6163594"   "6292468"   "6292539"   "6380971").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2004/12/02 17:31
S80	17	("5410343"   "5559854"   "5586111"   "5654751"   "5764284"   "5808671"   "5859895"   "5874992"   "5883883"   "5978019"   "5987061"   "6002671"   "6021167"   "6075552"   "6076113"   "6292468"   "6304578").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2004/12/02 17:32
S81	9	("6292468").URPN.	USPAT	OR	ON	2004/12/02 17:37
S82	6	"6163594"	USPAT	OR	ON	2004/12/02 17:37
S83	6	"5748348".pn. or "5907417".pn. or "6108112".pn. or "6498667".pn. or "6577414".pn. or "6721506".pn.	US-PGPUB; USPAT	OR	ON	2004/12/02 17:50
S84	88098	optical and testing	US-PGPUB; USPAT	OR	ON	2004/12/02 18:13
S85	46837	S84 and location	US-PGPUB; USPAT	OR	ON	2004/12/02 17:51

## EAST Search History

S86	3916	S84 and (manual\$2 same input\$4)	US-PGPUB; USPAT	OR	ON	2004/12/02 18:08
S87	420	S84 and (manual\$2 same input\$4 same location)	US-PGPUB; USPAT	OR	ON	2004/12/02 18:08
S88	11	S84 and (manual\$2 adj3 input\$4 adj3 location)	US-PGPUB; USPAT	OR	ON	2004/12/02 17:52
S89	0	("2002/0184644").URPN.	USPAT	OR	ON	2004/12/02 17:55
S90	839	S84 and butt	US-PGPUB; USPAT	OR	ON	2004/12/02 17:55
S91	8	S84 and (butt adj set)	US-PGPUB; USPAT	OR	ON	2004/12/02 17:55
S92	0	("2003/0204611").URPN.	USPAT	OR	ON	2004/12/02 17:56
S93	0	("2003/0093406").URPN.	USPAT	OR	ON	2004/12/02 18:00
S94	2	("6539384").URPN.	USPAT	OR	ON	2004/12/02 18:05
S95	4	("6249516"   "6320946"   "6385301"   "6397359").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2004/12/02 18:06
S96	284	S87 and (@ad<="20010604")	US-PGPUB; USPAT	OR	ON	2004/12/02 18:12
S97	37	spid same location	US-PGPUB; USPAT	OR	ON	2004/12/02 18:12
S98	1729	(optical adj2 network) and testing	US-PGPUB; USPAT	OR	ON	2004/12/02 18:14
S99	15	S98 and (manual\$2 adj3 input\$4)	US-PGPUB; USPAT	OR	ON	2004/12/02 18:17
S100	9059	(port same location) and testing	US-PGPUB; USPAT	OR	ON	2004/12/02 18:17
S101	2169	(port same (location same (code or information))) and testing	US-PGPUB; USPAT	OR	ON	2004/12/02 18:19
S102	298	(port same (location adj5 (code or information))) and testing	US-PGPUB; USPAT	OR	ON	2004/12/02 18:26
S103	1	S102 and butt	US-PGPUB; USPAT	OR	ON	2004/12/02 18:19
S104	13	"5535267"	US-PGPUB; USPAT	OR	ON	2004/12/02 18:29
S105	13284	(fiber adj optic\$1) and testing	US-PGPUB; USPAT	OR	ON	2004/12/02 18:30
S106	1077	S105 and (location adj3 (key or identi\$5 or identification or information))	US-PGPUB; USPAT	OR	ON	2004/12/02 18:31
S107	666	S106 and (butt or hand or (hand adj2 held) or craftsman)	US-PGPUB; USPAT	OR	ON	2004/12/02 18:32
S108	401	S107 and (@ad<="20010621")	US-PGPUB; USPAT	OR	ON	2004/12/02 18:46

## EAST Search History

S10 9	24	spid and fiber	US-PGPUB; USPAT	OR	ON	2004/12/02 18:47
S11 0	55	spid and (fiber or optic\$2)	US-PGPUB; USPAT	OR	ON	2004/12/02 18:56
S11 1	32	spid same (port)	US-PGPUB; USPAT	OR	ON	2004/12/02 18:56
S11 2	1	("6396813").URPN.	USPAT	OR	ON	2004/12/02 19:07
S11 3	27	("4688214"   "4959856"   "4961185"   "4999836"   "5012466"   "5062108"   "5101400"   "5185742"   "5208811"   "5329318"   "5386466"   "5450396"   "5457693"   "5550913"   "5621731"   "5708778"   "5715241"   "5748628"   "5751802"   "5761293"   "5793307"   "5793751"   "5864559"   "5867569"   "5867789"   "5883883"   "5916304"). PN.	US-PGPUB; USPAT; USOCR	OR	ON	2004/12/02 19:14
S11 4	1	spid same (physical adj3 port)	US-PGPUB; USPAT	OR	ON	2004/12/02 19:15
S11 5	26	spid with port	US-PGPUB; USPAT	OR	ON	2004/12/02 19:18
S11 6	12	spid same (location adj3 (key or code or identification or identifier))	US-PGPUB; USPAT	OR	ON	2004/12/02 19:19
S11 7	819	passive adj optical adj network	US-PGPUB; USPAT	OR	ON	2004/12/03 11:03
S11 8	221	S117 and "370"/\$.ccls.	US-PGPUB; USPAT	OR	ON	2004/12/03 11:04
S11 9	378	S117 and "398"/\$.ccls.	US-PGPUB; USPAT	OR	ON	2004/12/03 11:04
S12 0	558	S118 or S119	US-PGPUB; USPAT	OR	ON	2004/12/03 11:04
S12 1	0	S120 and (location adj2 (code or key or identification))	US-PGPUB; USPAT	OR	ON	2004/12/03 11:05
S12 2	248	S120 and port	US-PGPUB; USPAT	OR	ON	2004/12/03 11:05
S12 3	12	S120 and (physical adj2 port\$1)	US-PGPUB; USPAT	OR	ON	2004/12/03 11:14
S12 4	142	398/168.cccls.	US-PGPUB; USPAT	OR	ON	2004/12/03 11:17
S12 5	867	398/9.cccls.	US-PGPUB; USPAT	OR	ON	2004/12/03 11:18
S12 6	327	S125 and error	US-PGPUB; USPAT	OR	ON	2004/12/03 11:18
S12 7	318	S125 and location	US-PGPUB; USPAT	OR	ON	2004/12/03 11:18

## EAST Search History

S12 8	1	S125 and (location adj2 code)	US-PGPUB; USPAT	OR	ON	2004/12/03 11:18
S12 9	105	398/25.ccls.	US-PGPUB; USPAT	OR	ON	2004/12/03 11:19
S13 0	4	S125 and (physical adj2 port\$1)	US-PGPUB; USPAT	OR	ON	2004/12/03 11:19
S13 1	251	379/21.ccls.	US-PGPUB; USPAT	OR	ON	2005/02/09 11:27
S13 2	393	379/27.01.ccls.	US-PGPUB; USPAT	OR	ON	2005/02/09 11:26
S13 3	8	379/29.11.ccls.	US-PGPUB; USPAT	OR	ON	2005/02/09 11:25
S13 4	620	379/21	US-PGPUB; USPAT	OR	ON	2005/02/17 16:35
S13 5	23	S134 and (reenter\$3 or (re adj enter\$3))	US-PGPUB; USPAT	OR	ON	2005/02/17 16:36
S13 6	1	S134 and (reinput\$4 or (re adj input\$4))	US-PGPUB; USPAT	OR	ON	2005/02/17 16:36
S13 7	1	"20020184644"	US-PGPUB; USPAT	OR	ON	2005/08/24 17:05
S13 8	1	S137 and correlat\$3	US-PGPUB; USPAT	OR	ON	2005/08/24 17:05
S13 9	0	("2002/0184644").URPN.	USPAT	OR	ON	2005/08/24 17:06
S14 0	1	S137 and error	US-PGPUB; USPAT	OR	ON	2005/08/24 17:15
S14 1	9	"6002746"	US-PGPUB; USPAT	OR	ON	2005/08/24 17:28
S14 2	466	correlate with port	US-PGPUB; USPAT	OR	ON	2005/08/24 18:08
S14 3	40	correlat\$3 with (location adj code)	US-PGPUB; USPAT	OR	ON	2005/08/24 18:09
S14 4	0	("2005/0152506").URPN.	USPAT	OR	ON	2005/08/24 18:10
S14 5	0	("6912545").URPN.	USPAT	OR	ON	2005/08/24 18:16
S14 6	13	("20020023109"   "20020057678"   "20020059148"   "20020120554"   "20030006911"   "20030014342"   "20030031334"   "6091956"   "6202023"   "6236365"   "6249252"   "6529723"   "6539080").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/08/24 18:16
S14 7	1	"6912545"	US-PGPUB; USPAT	OR	ON	2005/08/25 11:32

## EAST Search History

S14 8	13	("20020023109"   "20020057678"   "20020059148"   "20020120554"   "20030006911"   "20030014342"   "20030031334"   "6091956"   "6202023"   "6236365"   "6249252"   "6529723"   "6539080").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/08/25 11:42
S14 9	1	"6754310"	US-PGPUB; USPAT	OR	ON	2005/08/25 11:44
S15 0	13	("5343461"   "5818906"   "5857011"   "5922047"   "5933475"   "5946374"   "6145101"   "6163270"   "6163594"   "6167443"   "6192109"   "6282239"   "6314086").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/08/25 13:17
S15 1	1	"6539384".pn.	US-PGPUB; USPAT; USOCR	OR	ON	2005/08/25 14:49
S15 2	1	"20020184644"	US-PGPUB; USPAT; USOCR	OR	ON	2005/08/25 14:49
S15 3	1	S152 and (serial adj number)	US-PGPUB; USPAT; USOCR	OR	ON	2005/08/25 14:50
S15 4	16	"6002746" or "6754310" or "6163594"	US-PGPUB; USPAT; USOCR	OR	ON	2005/08/25 14:50
S15 5	1	S154 and (serial adj number)	US-PGPUB; USPAT; USOCR	OR	ON	2005/08/25 14:50
S15 6	1	"6912545"	US-PGPUB; USPAT	OR	ON	2005/10/04 18:07
S15 7	4	"6380971"	US-PGPUB; USPAT	OR	ON	2005/10/04 18:07
S15 8	0	("2002/0126207").URPN.	USPAT	OR	ON	2005/10/04 18:08
S15 9	0	("6763087").URPN.	USPAT	OR	ON	2005/10/04 18:09
S16 0	5	("5835580"   "6163594"   "6292468"   "6292539"   "6380971").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/10/04 18:10
S16 1	9	"6002746"	US-PGPUB; USPAT; USOCR	OR	ON	2005/10/04 18:10
S16 2	8	("5359646"   "5461662"   "5907610"   "5974115"   "6002746"   "6148277"   "6160871"   "6493425").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/10/04 18:13

## EAST Search History

S16 3	24	(location adj2 code) and (physical adj2 port)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/10/04 18:13
S16 4	0	("2005/0152506").URPN.	USPAT	OR	ON	2005/10/04 18:13
S16 5	0	("2002/0184644").URPN.	USPAT	OR	ON	2005/10/04 18:15
S16 6	13	LUND-ROBERT-M or JOHNSON-MILTON-J or KAYS-JEFFREY-T	USPAT	OR	OFF	2005/10/04 18:19
S16 7	5	"6370154"	USPAT	OR	OFF	2005/10/04 18:22
S16 8	6	"6493425"	USPAT	OR	OFF	2005/10/04 18:22
S16 9	38	onu\$1 and (subscriber adj2 location)	USPAT	OR	OFF	2005/10/05 11:20
S17 0	388	optical adj solution\$1	US-PGPUB; USPAT	OR	ON	2005/10/05 11:21
S17 1	208	S170 and location	US-PGPUB; USPAT	OR	ON	2005/10/05 11:21
S17 2	1	S170 and (location with code)	US-PGPUB; USPAT	OR	ON	2005/10/05 11:21
S17 3	1	S170 and (location near9 code)	US-PGPUB; USPAT	OR	ON	2005/10/05 11:21
S17 4	1	S170 and (service adj2 parameter\$1)	US-PGPUB; USPAT	OR	ON	2005/10/05 11:21
S17 5	110	S170 and test\$3	US-PGPUB; USPAT	OR	ON	2005/10/05 11:21
S17 6	0	("2005/0152506").URPN.	USPAT	OR	ON	2005/10/05 12:18
S17 7	38	onu\$1 and (subscriber adj2 location)	USPAT	OR	OFF	2005/10/05 12:19
S17 8	24	LUND-ROBERT or LUND-ROBERT-M or KOCH-CHRIS-D or JOHNSON-MILTON-J or LAGERQUIST-JOEL-K or OELKE-DANIEL-R or KAYS-JEFFREY-T or KNUDSEN-JOSEPH-J or TALUS-STEVEN-J	US-PGPUB; USPAT	OR	ON	2006/01/06 06:58
S17 9	0	("2005/0152506").URPN.	USPAT	OR	ON	2006/01/06 06:59
S18 0	0	("2002/0184644").URPN.	USPAT	OR	ON	2006/01/06 07:06
S18 1	0	"2002018644"	US-PGPUB; USPAT	OR	ON	2006/01/06 07:18

## EAST Search History

S18 2	1	"20020018644"	US-PGPUB; USPAT	OR	ON	2006/01/06 07:17
S18 3	1	"20020184644"	US-PGPUB; USPAT	OR	ON	2006/01/06 07:19
S18 4	1	S183 and serial	US-PGPUB; USPAT	OR	ON	2006/01/06 07:25
S18 5	0	S183 and packets	US-PGPUB; USPAT	OR	ON	2006/01/06 07:25
S18 6	0	S183 and (voice adj3 data)	US-PGPUB; USPAT	OR	ON	2006/01/06 07:25
S18 7	1	S183 and (data)	US-PGPUB; USPAT	OR	ON	2006/01/06 07:32
S18 8	9	"6002746"	US-PGPUB; USPAT	OR	ON	2006/01/06 07:32
S18 9	22	"5420572"	US-PGPUB; USPAT	OR	ON	2006/01/06 09:27
S19 0	1	"6912545"	US-PGPUB; USPAT	OR	ON	2006/01/06 09:27
S19 1	13	("20020023109"   "20020057678"   "20020059148"   "20020120554"   "20030006911"   "20030014342"   "20030031334"   "6091956"   "6202023"   "6236365"   "6249252"   "6529723"   "6539080").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/01/06 09:27
S19 2	1	("2002/0059148").URPN.	USPAT	OR	ON	2006/01/06 09:29
S19 3	13	("20020023109"   "20020057678"   "20020059148"   "20020120554"   "20030006911"   "20030014342"   "20030031334"   "6091956"   "6202023"   "6236365"   "6249252"   "6529723"   "6539080").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/01/06 09:35
S19 4	9	"6002746"	US-PGPUB; USPAT; USOCR	OR	ON	2006/01/06 10:34
S19 5	1	"5420572".pn.	US-PGPUB; USPAT; USOCR	OR	ON	2006/01/06 10:34
S19 6	0	S195 and voice	US-PGPUB; USPAT; USOCR	OR	ON	2006/01/06 10:34
S19 7	0	S195 and video	US-PGPUB; USPAT; USOCR	OR	ON	2006/01/06 10:34
S19 8	1	S195 and data	US-PGPUB; USPAT; USOCR	OR	ON	2006/01/06 10:36

## EAST Search History

S19 9	1	S195 and error	US-PGPUB; USPAT; USOCR	OR	ON	2006/01/06 10:43
S20 0	0	S195 and (serial adj3 number)	US-PGPUB; USPAT; USOCR	OR	ON	2006/01/06 10:46
S20 1	1	S195 and (location)	US-PGPUB; USPAT; USOCR	OR	ON	2006/01/06 10:46
S20 2	2	"6850708".pn. or "20020071149"	US-PGPUB; USPAT	OR	ON	2007/01/05 14:47
S20 3	0	("2002/0071149").URPN.	USPAT	OR	ON	2007/01/05 15:18
S20 4	11	"6002746"	US-PGPUB; USPAT	OR	ON	2007/01/05 15:43
S20 5	1	"20020184644"	US-PGPUB; USPAT	OR	ON	2007/01/05 15:43
S20 6	1	("2002/0184644").URPN.	USPAT	OR	ON	2007/01/05 15:54
S20 7	38	(geographic adj2 location) near5 testing	US-PGPUB; USPAT	OR	ON	2007/01/05 16:00
S20 8	210	(location adj2 code) near5 input\$3	US-PGPUB; USPAT	OR	ON	2007/01/05 16:08
S20 9	152	S208 and (@ad<="20010604" or @rlad<="20010604" or @pd<="20010604")	US-PGPUB; USPAT	OR	ON	2007/01/05 16:08
S21 0	23	S209 and prompt\$4	US-PGPUB; USPAT	OR	ON	2007/01/05 16:01
S21 1	0	("2005/0152506").URPN.	USPAT	OR	ON	2007/01/05 16:01
S21 2	0	("2005/0152506").URPN.	USPAT	OR	ON	2007/01/05 16:01
S21 3	1	("2002/0184644").URPN.	USPAT	OR	ON	2007/01/05 16:02
S21 4	95	(location adj2 code) near5 subscriber	US-PGPUB; USPAT	OR	ON	2007/01/05 16:08
S21 5	78	S214 and (@ad<="20010604" or @rlad<="20010604" or @pd<="20010604")	US-PGPUB; USPAT	OR	ON	2007/01/05 16:08
S21 6	1	("2002/0184644").URPN.	USPAT	OR	ON	2007/01/05 16:36
S21 7	16	"5935209"	US-PGPUB; USPAT	OR	ON	2007/01/05 16:36
S21 8	0	("7062549").URPN.	USPAT	OR	ON	2007/01/05 16:50

## EAST Search History

S21 9	0	("7062549").URPN.	USPAT	OR	ON	2007/01/05 16:54
S22 0	0	S205 and geographic	USPAT	OR	ON	2007/01/05 16:55
S22 1	11	"6493425"	USPAT	OR	ON	2007/01/05 16:55